

Table ENG-3. - Building Site Development

Washington County, Virginia

The information in this table indicates the dominant soil condition, but does not eliminate the need for onsite investigation. The numbers in the value column range from 0.01 to 1.00. The larger the value, the greater the potential limitation. Limiting features in this report are limited to the top 5 limitations. Additional limitations may exist.

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
1B:							
Allegheny	85	Not limited		Not limited		Somewhat limited Slope	0.13
Ingledove		Not Rated		Not Rated		Not Rated	
Monongahela		Not Rated		Not Rated		Not Rated	
Weikert		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
Wheeling		Not Rated		Not Rated		Not Rated	
1C:							
Allegheny	85	Somewhat limited Slope	0.16	Somewhat limited Slope	0.16	Very limited Slope	1.00
Ingledove		Not Rated		Not Rated		Not Rated	
Monongahela		Not Rated		Not Rated		Not Rated	
Weikert		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
Wheeling		Not Rated		Not Rated		Not Rated	
2A:							
Atkins	75	Very limited Flooding	1.00	Very limited Flooding	1.00	Very limited Flooding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Ponding	1.00	Ponding	1.00	Ponding	1.00
Ernest		Not Rated		Not Rated		Not Rated	
Lobdell		Not Rated		Not Rated		Not Rated	
Macove		Not Rated		Not Rated		Not Rated	
Tate		Not Rated		Not Rated		Not Rated	
Tumbling		Not Rated		Not Rated		Not Rated	

3D:

Table ENG-3. - Building Site Development - Continued

Washington County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
3D:							
Berks	75	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Depth to hard bedrock	0.06	Slope	1.00	Depth to hard bedrock	0.06
Bland		Not Rated		Not Rated		Not Rated	
Ernest		Not Rated		Not Rated		Not Rated	
Hayter		Not Rated		Not Rated		Not Rated	
Macove		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
3E:							
Berks	75	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to hard bedrock	0.06	Depth to hard bedrock	1.00	Depth to hard bedrock	0.06
Bland		Not Rated		Not Rated		Not Rated	
Ernest		Not Rated		Not Rated		Not Rated	
Hayter		Not Rated		Not Rated		Not Rated	
Macove		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
3F:							
Berks	75	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to hard bedrock	0.06	Depth to hard bedrock	1.00	Depth to hard bedrock	0.06
Bland		Not Rated		Not Rated		Not Rated	
Ernest		Not Rated		Not Rated		Not Rated	
Hayter		Not Rated		Not Rated		Not Rated	
Macove		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
4D:							
Bland	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to hard bedrock	0.90	Depth to hard bedrock	1.00	Depth to hard bedrock	0.90
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50

Table ENG-3. - Building Site Development - Continued

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Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
4D:							
Berks		Not Rated		Not Rated		Not Rated	
Rock outcrop		Not Rated		Not Rated		Not Rated	
Soils less than 20 inches deep to bedrock		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
4E:							
Bland	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to hard bedrock	0.90	Depth to hard bedrock	1.00	Depth to hard bedrock	0.90
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
Berks		Not Rated		Not Rated		Not Rated	
Rock outcrop		Not Rated		Not Rated		Not Rated	
Soils less than 20 inches deep to bedrock		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
5B:							
Botetourt	80	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Depth to saturated zone	0.98	Depth to saturated zone	1.00	Depth to saturated zone	0.98
Wolfgap		Not Rated		Not Rated		Not Rated	
6D:							
Calvin	85	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Depth to hard bedrock	0.54	Slope	1.00	Depth to hard bedrock	0.54
Drypond		Not Rated		Not Rated		Not Rated	
Macove		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
6E:							
Calvin	80	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to hard bedrock	0.54	Depth to hard bedrock	1.00	Depth to hard bedrock	0.54
Drypond		Not Rated		Not Rated		Not Rated	
Macove		Not Rated		Not Rated		Not Rated	

Table ENG-3. - Building Site Development - Continued

Washington County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
6E:							
Westmoreland		Not Rated		Not Rated		Not Rated	
6F:							
Calvin	80	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to hard bedrock	0.54	Depth to hard bedrock	1.00	Depth to hard bedrock	0.54
Drypond		Not Rated		Not Rated		Not Rated	
Macove		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
7A:							
Clubcaf	85	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
Hayter		Not Rated		Not Rated		Not Rated	
Sindion		Not Rated		Not Rated		Not Rated	
Soils that have bedrock at depths of less than 60 inches		Not Rated		Not Rated		Not Rated	
Wyrick		Not Rated		Not Rated		Not Rated	
8D:							
Dekalb	80	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to hard bedrock	0.54	Depth to hard bedrock	1.00	Depth to hard bedrock	0.54
Macove		Not Rated		Not Rated		Not Rated	
Tumbling		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
8E:							
Dekalb	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to hard bedrock	0.54	Depth to hard bedrock	1.00	Depth to hard bedrock	0.54
Macove		Not Rated		Not Rated		Not Rated	
Tumbling		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
9F:							

Table ENG-3. - Building Site Development - Continued

Washington County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
9F:							
Drypond	45	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to hard bedrock	1.00	Depth to hard bedrock	1.00	Depth to hard bedrock	1.00
Rock outcrop	30	Not Rated		Not Rated		Not Rated	
Calvin		Not Rated		Not Rated		Not Rated	
Lily		Not Rated		Not Rated		Not Rated	
Macove		Not Rated		Not Rated		Not Rated	
10F:							
Drypond	75	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to hard bedrock	1.00	Depth to hard bedrock	1.00	Depth to hard bedrock	1.00
Calvin		Not Rated		Not Rated		Not Rated	
Lily		Not Rated		Not Rated		Not Rated	
Macove		Not Rated		Not Rated		Not Rated	
11B:							
Ebbing	90	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Depth to saturated zone	0.98	Depth to saturated zone	1.00	Depth to saturated zone	0.98
Maurertown		Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
Speedwell		Not Rated		Not Rated		Not Rated	
12C:							
Edneytown	85	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.37	Slope	0.37	Slope	1.00
Konnarock		Not Rated		Not Rated		Not Rated	
Pigeonroost		Not Rated		Not Rated		Not Rated	
12D:							
Edneytown	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
Konnarock		Not Rated		Not Rated		Not Rated	

Table ENG-3. - Building Site Development - Continued

Washington County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
12D: Pigeonroost		Not Rated		Not Rated		Not Rated	
12E: Edneytown	85	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
Konnarock		Not Rated		Not Rated		Not Rated	
Pigeonroost		Not Rated		Not Rated		Not Rated	
13C: Elliber	80	Somewhat limited Slope	0.37	Somewhat limited Slope	0.37	Very limited Slope	1.00
Lily		Not Rated		Not Rated		Not Rated	
Rock outcrops		Not Rated		Not Rated		Not Rated	
Weikert		Not Rated		Not Rated		Not Rated	
13D: Elliber	80	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
Lily		Not Rated		Not Rated		Not Rated	
Rock outcrops		Not Rated		Not Rated		Not Rated	
Weikert		Not Rated		Not Rated		Not Rated	
13E: Elliber	80	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
Lily		Not Rated		Not Rated		Not Rated	
Rock outcrops		Not Rated		Not Rated		Not Rated	
Weikert		Not Rated		Not Rated		Not Rated	
14B: Ernest	85	Somewhat limited Depth to saturated zone	0.98	Very limited Depth to thick cemented pan	1.00	Somewhat limited Depth to saturated zone	0.98
		Shrink-swell	0.50	Depth to saturated zone	1.00	Shrink-swell	0.50
		Depth to thick cemented pan	0.46	Shrink-swell	0.50	Depth to thick cemented pan	0.46

Table ENG-3. - Building Site Development - Continued

Washington County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
14B:							
Atkins		Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Ponding	1.00	Ponding	1.00	Ponding	1.00
Berks		Not Rated		Not Rated		Not Rated	
Faywood		Not Rated		Not Rated		Not Rated	
Hayter		Not Rated		Not Rated		Not Rated	
Lobdell		Not Rated		Not Rated		Not Rated	
Macove		Not Rated		Not Rated		Not Rated	
Tate		Not Rated		Not Rated		Not Rated	
Tumbling		Not Rated		Not Rated		Not Rated	
Weikert		Not Rated		Not Rated		Not Rated	
14C:							
Ernest	85	Somewhat limited		Very limited		Very limited	
		Depth to saturated zone	0.98	Depth to thick cemented pan	1.00	Slope	1.00
		Shrink-swell	0.50	Depth to saturated zone	1.00	Depth to saturated zone	0.98
		Depth to thick cemented pan	0.46	Shrink-swell	0.50	Shrink-swell	0.50
Atkins		Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Ponding	1.00	Ponding	1.00	Ponding	1.00
Berks		Not Rated		Not Rated		Not Rated	
Faywood		Not Rated		Not Rated		Not Rated	
Hayter		Not Rated		Not Rated		Not Rated	
Lobdell		Not Rated		Not Rated		Not Rated	
Macove		Not Rated		Not Rated		Not Rated	
Tate		Not Rated		Not Rated		Not Rated	
Tumbling		Not Rated		Not Rated		Not Rated	
Weikert		Not Rated		Not Rated		Not Rated	

Table ENG-3. - Building Site Development - Continued

Washington County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
15C:							
Faywood	85	Somewhat limited		Very limited		Very limited	
		Depth to hard bedrock	0.64	Depth to hard bedrock	1.00	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Depth to hard bedrock	0.64
		Slope	0.37	Slope	0.37	Shrink-swell	0.50
Ernest		Not Rated		Not Rated		Not Rated	
Rock outcrops		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
15D:							
Faywood	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to hard bedrock	0.64	Depth to hard bedrock	1.00	Depth to hard bedrock	0.64
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
Ernest		Not Rated		Not Rated		Not Rated	
Rock outcrops		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
15E:							
Faywood	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to hard bedrock	0.64	Depth to hard bedrock	1.00	Depth to hard bedrock	0.64
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
Ernest		Not Rated		Not Rated		Not Rated	
Rock outcrops		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
16B:							
Frederick	85	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
						Slope	0.13
Marbie		Not Rated		Not Rated		Not Rated	
Rock outcrops		Not Rated		Not Rated		Not Rated	
Timberville		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
16C:							

Table ENG-3. - Building Site Development - Continued

Washington County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
16C:							
Frederick	75	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
		Slope	0.37	Slope	0.37	Slope	1.00
Marbie		Not Rated		Not Rated		Not Rated	
Rock outcrops		Not Rated		Not Rated		Not Rated	
Timberville		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
16D:							
Frederick	80	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
Marbie		Not Rated		Not Rated		Not Rated	
Rock outcrops		Not Rated		Not Rated		Not Rated	
Timberville		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
16E:							
Frederick	80	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
Marbie		Not Rated		Not Rated		Not Rated	
Rock outcrops		Not Rated		Not Rated		Not Rated	
Timberville		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
17C:							
Frederick	85	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
		Slope	0.37	Slope	0.37	Slope	1.00
Marbie		Not Rated		Not Rated		Not Rated	
Rock outcrops		Not Rated		Not Rated		Not Rated	
Timberville		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	

Table ENG-3. - Building Site Development - Continued

Washington County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
17D:							
Frederick	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
Marbie		Not Rated		Not Rated		Not Rated	
Rock outcrops		Not Rated		Not Rated		Not Rated	
Timberville		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
17E:							
Frederick	80	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
Marbie		Not Rated		Not Rated		Not Rated	
Rock outcrops		Not Rated		Not Rated		Not Rated	
Timberville		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
18D:							
Greenlee	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Content of large stones	0.99	Content of large stones	0.99	Content of large stones	0.99
Konnarock		Not Rated		Not Rated		Not Rated	
Pigeonroost		Not Rated		Not Rated		Not Rated	
19C:							
Hagerstown	45	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Slope	1.00
		Slope	0.04	Depth to hard bedrock	0.42	Shrink-swell	0.50
				Slope	0.04		
Rock outcrop	30	Not Rated		Not Rated		Not Rated	
Marbie		Not Rated		Not Rated		Not Rated	
Opequon		Not Rated		Not Rated		Not Rated	
Timberville		Not Rated		Not Rated		Not Rated	
Weikert		Not Rated		Not Rated		Not Rated	

Table ENG-3. - Building Site Development - Continued

Washington County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
19C:							
Westmoreland		Not Rated		Not Rated		Not Rated	
19E:							
Hagerstown	45	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
				Depth to hard bedrock	0.42		
Rock outcrop	30	Not Rated		Not Rated		Not Rated	
Marbie		Not Rated		Not Rated		Not Rated	
Opequon		Not Rated		Not Rated		Not Rated	
Timberville		Not Rated		Not Rated		Not Rated	
Weikert		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
20C:							
Hagerstown	80	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Slope	1.00
		Slope	0.37	Depth to hard bedrock	0.42	Shrink-swell	0.50
				Slope	0.37		
Marbie		Not Rated		Not Rated		Not Rated	
Opequon		Not Rated		Not Rated		Not Rated	
Rock outcrop		Not Rated		Not Rated		Not Rated	
Timberville		Not Rated		Not Rated		Not Rated	
Weikert		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
20D:							
Hagerstown	80	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
				Depth to hard bedrock	0.42		
Marbie		Not Rated		Not Rated		Not Rated	
Opequon		Not Rated		Not Rated		Not Rated	
Rock outcrop		Not Rated		Not Rated		Not Rated	

Table ENG-3. - Building Site Development - Continued

Washington County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
20D:							
Timberville		Not Rated		Not Rated		Not Rated	
Weikert		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
20E:							
Hagerstown	80	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
				Depth to hard bedrock	0.42		
Marbie		Not Rated		Not Rated		Not Rated	
Opequon		Not Rated		Not Rated		Not Rated	
Rock outcrop		Not Rated		Not Rated		Not Rated	
Timberville		Not Rated		Not Rated		Not Rated	
Weikert		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
21D:							
Hagerstown	45	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
				Depth to hard bedrock	0.42		
Rock outcrop	30	Not Rated		Not Rated		Not Rated	
Marbie		Not Rated		Not Rated		Not Rated	
Opequon		Not Rated		Not Rated		Not Rated	
Timberville		Not Rated		Not Rated		Not Rated	
Weikert		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
22C:							
Hagerstown	80	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell	0.50	Very limited Slope	1.00
		Slope	0.37	Depth to hard bedrock	0.42	Shrink-swell	0.50
				Slope	0.37		
Marbie		Not Rated		Not Rated		Not Rated	

Table ENG-3. - Building Site Development - Continued

Washington County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
22C:							
Opequon		Not Rated		Not Rated		Not Rated	
Rock outcrop		Not Rated		Not Rated		Not Rated	
Timberville		Not Rated		Not Rated		Not Rated	
Weikert		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
22D:							
Hagerstown	80	Very limited Slope Shrink-swell	1.00 0.50	Very limited Slope Shrink-swell Depth to hard bedrock	1.00 0.50 0.42	Very limited Slope Shrink-swell	1.00 0.50
Marbie		Not Rated		Not Rated		Not Rated	
Opequon		Not Rated		Not Rated		Not Rated	
Rock outcrop		Not Rated		Not Rated		Not Rated	
Timberville		Not Rated		Not Rated		Not Rated	
Weikert		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
23C:							
Hayter	75	Somewhat limited Slope	0.37	Somewhat limited Slope	0.37	Very limited Slope	1.00
Berks		Not Rated		Not Rated		Not Rated	
Clubcaf		Very limited Flooding Depth to saturated zone	1.00 1.00	Very limited Flooding Depth to saturated zone	1.00 1.00	Very limited Flooding Depth to saturated zone	1.00 1.00
Ernest		Not Rated		Not Rated		Not Rated	
Litz		Not Rated		Not Rated		Not Rated	
Marbie		Not Rated		Not Rated		Not Rated	
Weikert		Not Rated		Not Rated		Not Rated	
23D:							
Hayter	70	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00

Table ENG-3. - Building Site Development - Continued

Washington County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
23D:							
Berks		Not Rated		Not Rated		Not Rated	
Clubcaf		Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
Ernest		Not Rated		Not Rated		Not Rated	
Litz		Not Rated		Not Rated		Not Rated	
Marbie		Not Rated		Not Rated		Not Rated	
Weikert		Not Rated		Not Rated		Not Rated	
24B:							
Ingledove	80	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
Allegheny		Not Rated		Not Rated		Not Rated	
Monongahela		Not Rated		Not Rated		Not Rated	
Wolfgap		Not Rated		Not Rated		Not Rated	
25C:							
Konnarock	80	Somewhat limited		Very limited		Very limited	
		Depth to hard bedrock	0.95	Depth to hard bedrock	1.00	Slope	1.00
		Slope	0.37	Slope	0.37	Depth to hard bedrock	0.95
Edneytown		Not Rated		Not Rated		Not Rated	
Greenlee		Not Rated		Not Rated		Not Rated	
Tate		Not Rated		Not Rated		Not Rated	
25D:							
Konnarock	80	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to hard bedrock	0.95	Depth to hard bedrock	1.00	Depth to hard bedrock	0.95
Edneytown		Not Rated		Not Rated		Not Rated	
Greenlee		Not Rated		Not Rated		Not Rated	
Tate		Not Rated		Not Rated		Not Rated	
25E:							

Table ENG-3. - Building Site Development - Continued

Washington County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
25E:							
Konnarock	80	Very limited Slope Depth to hard bedrock	1.00 0.95	Very limited Slope Depth to hard bedrock	1.00 1.00	Very limited Slope Depth to hard bedrock	1.00 0.95
Edneytown		Not Rated		Not Rated		Not Rated	
Greenlee		Not Rated		Not Rated		Not Rated	
Tate		Not Rated		Not Rated		Not Rated	
26B:							
Lily	80	Somewhat limited Depth to hard bedrock	0.90	Very limited Depth to hard bedrock	1.00	Somewhat limited Depth to hard bedrock Slope	0.90 0.13
Drypond		Not Rated		Not Rated		Not Rated	
Macove		Not Rated		Not Rated		Not Rated	
Rock outcrop		Not Rated		Not Rated		Not Rated	
Tate		Not Rated		Not Rated		Not Rated	
Tumbling		Not Rated		Not Rated		Not Rated	
Weikert		Not Rated		Not Rated		Not Rated	
26C:							
Lily	80	Somewhat limited Depth to hard bedrock Slope	0.90 0.37	Very limited Depth to hard bedrock Slope	1.00 0.37	Very limited Slope Depth to hard bedrock	1.00 0.90
Drypond		Not Rated		Not Rated		Not Rated	
Macove		Not Rated		Not Rated		Not Rated	
Rock outcrop		Not Rated		Not Rated		Not Rated	
Tate		Not Rated		Not Rated		Not Rated	
Tumbling		Not Rated		Not Rated		Not Rated	
Weikert		Not Rated		Not Rated		Not Rated	
26D:							
Lily	80	Very limited Slope Depth to hard bedrock	1.00 0.90	Very limited Slope Depth to hard bedrock	1.00 1.00	Very limited Slope Depth to hard bedrock	1.00 0.90
Drypond		Not Rated		Not Rated		Not Rated	

Table ENG-3. - Building Site Development - Continued

Washington County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
26D:							
Macove		Not Rated		Not Rated		Not Rated	
Rock outcrop		Not Rated		Not Rated		Not Rated	
Tate		Not Rated		Not Rated		Not Rated	
Tumbling		Not Rated		Not Rated		Not Rated	
Weikert		Not Rated		Not Rated		Not Rated	
26E:							
Lily	80	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to hard bedrock	0.90	Depth to hard bedrock	1.00	Depth to hard bedrock	0.90
Drypond		Not Rated		Not Rated		Not Rated	
Elliber		Not Rated		Not Rated		Not Rated	
Macove		Not Rated		Not Rated		Not Rated	
Rock outcrop		Not Rated		Not Rated		Not Rated	
Tate		Not Rated		Not Rated		Not Rated	
Tumbling		Not Rated		Not Rated		Not Rated	
Weikert		Not Rated		Not Rated		Not Rated	
27D:							
Litz	80	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to hard bedrock	0.10	Depth to hard bedrock	1.00	Depth to hard bedrock	0.10
Hagerstown		Not Rated		Not Rated		Not Rated	
Hayter		Not Rated		Not Rated		Not Rated	
Marbie		Not Rated		Not Rated		Not Rated	
Opequon		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
27E:							
Litz	80	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to hard bedrock	0.10	Depth to hard bedrock	1.00	Depth to hard bedrock	0.10
Hagerstown		Not Rated		Not Rated		Not Rated	

Table ENG-3. - Building Site Development - Continued

Washington County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
27E:							
Hayter		Not Rated		Not Rated		Not Rated	
Marbie		Not Rated		Not Rated		Not Rated	
Opequon		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
27F:							
Litz	65	Very limited Slope Depth to hard bedrock	1.00 0.10	Very limited Slope Depth to hard bedrock	1.00 1.00	Very limited Slope Depth to hard bedrock	1.00 0.10
Hagerstown		Not Rated		Not Rated		Not Rated	
Hayter		Not Rated		Not Rated		Not Rated	
Opequon		Not Rated		Not Rated		Not Rated	
Rock outcrop		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
28C:							
Litz	50	Somewhat limited Slope Depth to hard bedrock	0.37 0.10	Very limited Depth to hard bedrock Slope	1.00 0.37	Very limited Slope Depth to hard bedrock	1.00 0.10
Groseclose	30	Very limited Shrink-swell Slope	1.00 0.63	Very limited Shrink-swell Slope	1.00 0.63	Very limited Shrink-swell Slope	1.00 1.00
Marbie		Not Rated		Not Rated		Not Rated	
Opequon		Not Rated		Not Rated		Not Rated	
Rock outcrop		Not Rated		Not Rated		Not Rated	
28D:							
Litz	50	Very limited Slope Depth to hard bedrock	1.00 0.10	Very limited Slope Depth to hard bedrock	1.00 1.00	Very limited Slope Depth to hard bedrock	1.00 0.10
Groseclose	30	Very limited Slope Shrink-swell	1.00 1.00	Very limited Slope Shrink-swell	1.00 1.00	Very limited Slope Shrink-swell	1.00 1.00
Marbie		Not Rated		Not Rated		Not Rated	
Opequon		Not Rated		Not Rated		Not Rated	

Table ENG-3. - Building Site Development - Continued

Washington County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
28D:							
Rock outcrop		Not Rated		Not Rated		Not Rated	
28E:							
Litz	45	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to hard bedrock	0.10	Depth to hard bedrock	1.00	Depth to hard bedrock	0.10
Groseclose	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
Marbie		Not Rated		Not Rated		Not Rated	
Opequon		Not Rated		Not Rated		Not Rated	
Rock outcrop		Not Rated		Not Rated		Not Rated	
29A:							
Lobdell	75	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Depth to saturated zone	0.39	Depth to saturated zone	1.00	Depth to saturated zone	0.39
Atkins		Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Ponding	1.00	Ponding	1.00	Ponding	1.00
Ernest		Not Rated		Not Rated		Not Rated	
30C:							
Macove	85	Very limited		Very limited		Very limited	
		Content of large stones	1.00	Content of large stones	1.00	Slope	1.00
		Slope	0.37	Slope	0.37	Content of large stones	1.00
Atkins		Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Ponding	1.00	Ponding	1.00	Ponding	1.00
Ernest		Not Rated		Not Rated		Not Rated	
Konnarock		Not Rated		Not Rated		Not Rated	
Lily		Not Rated		Not Rated		Not Rated	
Weikert		Not Rated		Not Rated		Not Rated	

Table ENG-3. - Building Site Development - Continued

Washington County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
30D:							
Macove	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Content of large stones	1.00	Content of large stones	1.00	Content of large stones	1.00
Atkins		Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Ponding	1.00	Ponding	1.00	Ponding	1.00
Ernest		Not Rated		Not Rated		Not Rated	
Konnarock		Not Rated		Not Rated		Not Rated	
Lily		Not Rated		Not Rated		Not Rated	
Weikert		Not Rated		Not Rated		Not Rated	
30E:							
Macove	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Content of large stones	1.00	Content of large stones	1.00	Content of large stones	1.00
Atkins		Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Ponding	1.00	Ponding	1.00	Ponding	1.00
Ernest		Not Rated		Not Rated		Not Rated	
Konnarock		Not Rated		Not Rated		Not Rated	
Lily		Not Rated		Not Rated		Not Rated	
Weikert		Not Rated		Not Rated		Not Rated	
31C:							
Macove	75	Somewhat limited		Very limited		Very limited	
		Content of large stones	0.99	Content of large stones	0.99	Slope	1.00
		Slope	0.37	Slope	0.37	Content of large stones	0.99
Atkins		Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Ponding	1.00	Ponding	1.00	Ponding	1.00

Table ENG-3. - Building Site Development - Continued

Washington County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
31C:							
Ernest		Not Rated		Not Rated		Not Rated	
Konnarock		Not Rated		Not Rated		Not Rated	
Lily		Not Rated		Not Rated		Not Rated	
Weikert		Not Rated		Not Rated		Not Rated	
31D:							
Macove	75	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Content of large stones	0.99	Content of large stones	0.99	Content of large stones	0.99
Atkins		Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Ponding	1.00	Ponding	1.00	Ponding	1.00
Ernest		Not Rated		Not Rated		Not Rated	
Konnarock		Not Rated		Not Rated		Not Rated	
Lily		Not Rated		Not Rated		Not Rated	
Weikert		Not Rated		Not Rated		Not Rated	
31E:							
Macove	75	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Content of large stones	0.99	Content of large stones	0.99	Content of large stones	0.99
Atkins		Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Ponding	1.00	Ponding	1.00	Ponding	1.00
Ernest		Not Rated		Not Rated		Not Rated	
Konnarock		Not Rated		Not Rated		Not Rated	
Lily		Not Rated		Not Rated		Not Rated	
Weikert		Not Rated		Not Rated		Not Rated	
32A:							

Table ENG-3. - Building Site Development - Continued

Washington County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
32A:							
Maurertown	80	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
Hayter		Not Rated		Not Rated		Not Rated	
Wyrick		Not Rated		Not Rated		Not Rated	
33A:							
Mongle	80	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
Ingledove and Wheeling		Not Rated		Not Rated		Not Rated	
Maurertown		Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
Tumbling		Not Rated		Not Rated		Not Rated	
Wyrick		Not Rated		Not Rated		Not Rated	
34B:							
Monongahela	85	Somewhat limited		Very limited		Somewhat limited	
		Depth to saturated zone	0.98	Depth to thick cemented pan	1.00	Depth to saturated zone	0.98
		Depth to thick cemented pan	0.71	Depth to saturated zone	1.00	Depth to thick cemented pan	0.71
						Slope	0.13
Allegheny		Not Rated		Not Rated		Not Rated	
Ingledove and Wheeling		Not Rated		Not Rated		Not Rated	
Shottower		Not Rated		Not Rated		Not Rated	
Weikert		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
34C:							

Table ENG-3. - Building Site Development - Continued

Washington County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
34C:							
Monongahela	85	Somewhat limited		Very limited		Very limited	
		Depth to saturated zone	0.98	Depth to thick cemented pan	1.00	Slope	1.00
		Depth to thick cemented pan	0.71	Depth to saturated zone	1.00	Depth to saturated zone	0.98
		Slope	0.37	Slope	0.37	Depth to thick cemented pan	0.71
Allegheny		Not Rated		Not Rated		Not Rated	
Ingledove and Wheeling		Not Rated		Not Rated		Not Rated	
Shottower		Not Rated		Not Rated		Not Rated	
Weikert		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
35C:							
Pigeonroost	80	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Slope	1.00
				Depth to soft bedrock	0.06		
Edneytown		Not Rated		Not Rated		Not Rated	
Greenlee		Not Rated		Not Rated		Not Rated	
Rock outcrops		Not Rated		Not Rated		Not Rated	
Tate		Not Rated		Not Rated		Not Rated	
35D:							
Pigeonroost	80	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
				Depth to soft bedrock	0.06		
Edneytown		Not Rated		Not Rated		Not Rated	
Greenlee		Not Rated		Not Rated		Not Rated	
Rock outcrops		Not Rated		Not Rated		Not Rated	
Tate		Not Rated		Not Rated		Not Rated	
35E:							
Pigeonroost	80	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
				Depth to soft bedrock	0.06		
Edneytown		Not Rated		Not Rated		Not Rated	
Greenlee		Not Rated		Not Rated		Not Rated	

Table ENG-3. - Building Site Development - Continued

Washington County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
35E:							
Rock outcrops		Not Rated		Not Rated		Not Rated	
Tate		Not Rated		Not Rated		Not Rated	
36F:							
Rock outcrop	40	Not Rated		Not Rated		Not Rated	
Opequon	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to hard bedrock	1.00	Shrink-swell	1.00	Depth to hard bedrock	1.00
		Shrink-swell	1.00	Depth to hard bedrock	1.00	Shrink-swell	1.00
Litz		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
Wyrick		Not Rated		Not Rated		Not Rated	
37B:							
Shottower	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
Monongahela		Not Rated		Not Rated		Not Rated	
37C:							
Shottower	85	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
Monongahela		Not Rated		Not Rated		Not Rated	
37D:							
Shottower	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
Monongahela		Not Rated		Not Rated		Not Rated	
38A:							
Sindion	85	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Depth to saturated zone	0.98	Depth to saturated zone	1.00	Depth to saturated zone	0.98
Clubcaf		Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
Wheeling		Not Rated		Not Rated		Not Rated	

Table ENG-3. - Building Site Development - Continued

Washington County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
39A:							
Speedwell	85	Very limited Flooding	1.00	Very limited Flooding	1.00	Very limited Flooding	1.00
Ebbing		Not Rated		Not Rated		Not Rated	
Mongle		Not Rated		Not Rated		Not Rated	
Wheeling		Not Rated		Not Rated		Not Rated	
40B:							
Tate	80	Not limited		Not limited		Somewhat limited Slope	0.13
Atkins		Very limited Flooding	1.00	Very limited Flooding	1.00	Very limited Flooding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Ponding	1.00	Ponding	1.00	Ponding	1.00
Ernest		Not Rated		Not Rated		Not Rated	
Konnarock		Not Rated		Not Rated		Not Rated	
Lily		Not Rated		Not Rated		Not Rated	
Monongahela		Not Rated		Not Rated		Not Rated	
Pigeonroost		Not Rated		Not Rated		Not Rated	
40C:							
Tate	80	Somewhat limited Slope	0.37	Somewhat limited Slope	0.37	Very limited Slope	1.00
Atkins		Very limited Flooding	1.00	Very limited Flooding	1.00	Very limited Flooding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Ponding	1.00	Ponding	1.00	Ponding	1.00
Ernest		Not Rated		Not Rated		Not Rated	
Konnarock		Not Rated		Not Rated		Not Rated	
Lily		Not Rated		Not Rated		Not Rated	
Monongahela		Not Rated		Not Rated		Not Rated	
Pigeonroost		Not Rated		Not Rated		Not Rated	

40D:

Table ENG-3. - Building Site Development - Continued

Washington County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
40D:							
Tate	80	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
Atkins		Very limited Flooding	1.00	Very limited Flooding	1.00	Very limited Flooding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Ponding	1.00	Ponding	1.00	Ponding	1.00
Ernest		Not Rated		Not Rated		Not Rated	
Konnarock		Not Rated		Not Rated		Not Rated	
Lily		Not Rated		Not Rated		Not Rated	
Monongahela		Not Rated		Not Rated		Not Rated	
Pigeonroost		Not Rated		Not Rated		Not Rated	
41B:							
Timberville	45	Very limited Flooding	1.00	Very limited Flooding	1.00	Very limited Flooding Slope	1.00 0.13
Marbie	35	Very limited Flooding	1.00	Very limited Flooding	1.00	Very limited Flooding	1.00
		Depth to thick cemented pan	1.00	Depth to thick cemented pan	1.00	Depth to thick cemented pan	1.00
		Shrink-swell	0.50	Depth to saturated zone	1.00	Shrink-swell	0.50
Clubcaf		Very limited Flooding	1.00	Very limited Flooding	1.00	Very limited Flooding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
Frederick		Not Rated		Not Rated		Not Rated	
Hagerstown		Not Rated		Not Rated		Not Rated	
Watahala		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
Wyrick		Not Rated		Not Rated		Not Rated	
42C:							
Timberville	45	Very limited Flooding	1.00	Very limited Flooding	1.00	Very limited Flooding	1.00
		Slope	0.16	Slope	0.16	Slope	1.00

Table ENG-3. - Building Site Development - Continued

Washington County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
42C:							
Marbie	35	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Depth to thick cemented pan	1.00	Depth to thick cemented pan	1.00	Depth to thick cemented pan	1.00
		Shrink-swell	0.50	Depth to saturated zone	1.00	Slope	1.00
Clubcaf		Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
Frederick		Not Rated		Not Rated		Not Rated	
Hagerstown		Not Rated		Not Rated		Not Rated	
Watahala		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
Wyrick		Not Rated		Not Rated		Not Rated	
43B:							
Tumbling	85	Not limited		Not limited		Not limited	
Atkins		Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Ponding	1.00	Ponding	1.00	Ponding	1.00
Ernest		Not Rated		Not Rated		Not Rated	
Lily		Not Rated		Not Rated		Not Rated	
Mongle		Not Rated		Not Rated		Not Rated	
Weikert		Not Rated		Not Rated		Not Rated	
43C:							
Tumbling	85	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.37	Slope	0.37	Slope	1.00
Atkins		Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Ponding	1.00	Ponding	1.00	Ponding	1.00
Ernest		Not Rated		Not Rated		Not Rated	

Table ENG-3. - Building Site Development - Continued

Washington County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
43C:							
Lily		Not Rated		Not Rated		Not Rated	
Mongle		Not Rated		Not Rated		Not Rated	
Weikert		Not Rated		Not Rated		Not Rated	
43D:							
Tumbling	85	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
Atkins		Very limited Flooding	1.00	Very limited Flooding	1.00	Very limited Flooding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Ponding	1.00	Ponding	1.00	Ponding	1.00
Ernest		Not Rated		Not Rated		Not Rated	
Lily		Not Rated		Not Rated		Not Rated	
Mongle		Not Rated		Not Rated		Not Rated	
Weikert		Not Rated		Not Rated		Not Rated	
44B:							
Tumbling	85	Not limited		Not limited		Not limited	
Atkins		Very limited Flooding	1.00	Very limited Flooding	1.00	Very limited Flooding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Ponding	1.00	Ponding	1.00	Ponding	1.00
Lily		Not Rated		Not Rated		Not Rated	
Litz		Not Rated		Not Rated		Not Rated	
Marbie		Not Rated		Not Rated		Not Rated	
Mongle		Not Rated		Not Rated		Not Rated	
44C:							
Tumbling	85	Somewhat limited Slope	0.37	Somewhat limited Slope	0.37	Very limited Slope	1.00
Atkins		Very limited Flooding	1.00	Very limited Flooding	1.00	Very limited Flooding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Ponding	1.00	Ponding	1.00	Ponding	1.00

Table ENG-3. - Building Site Development - Continued

Washington County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
44C:							
Lily		Not Rated		Not Rated		Not Rated	
Litz		Not Rated		Not Rated		Not Rated	
Marbie		Not Rated		Not Rated		Not Rated	
44D:							
Tumbling	85	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
Atkins		Very limited Flooding	1.00	Very limited Flooding	1.00	Very limited Flooding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Ponding	1.00	Ponding	1.00	Ponding	1.00
Lily		Not Rated		Not Rated		Not Rated	
Litz		Not Rated		Not Rated		Not Rated	
Marbie		Not Rated		Not Rated		Not Rated	
44E:							
Tumbling	85	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
Atkins		Very limited Flooding	1.00	Very limited Flooding	1.00	Very limited Flooding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Ponding	1.00	Ponding	1.00	Ponding	1.00
Lily		Not Rated		Not Rated		Not Rated	
Litz		Not Rated		Not Rated		Not Rated	
Marbie		Not Rated		Not Rated		Not Rated	
45:							
Udorthents	70	Not Rated		Not Rated		Not Rated	
Frederick		Not Rated		Not Rated		Not Rated	
Sindion		Not Rated		Not Rated		Not Rated	
Weikert		Not Rated		Not Rated		Not Rated	
46:							
Udorthents, dams	95	Not Rated		Not Rated		Not Rated	
Frederick		Not Rated		Not Rated		Not Rated	

Table ENG-3. - Building Site Development - Continued

Washington County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
46:							
Sindion		Not Rated		Not Rated		Not Rated	
Weikert		Not Rated		Not Rated		Not Rated	
47:							
Udorthents	40	Not Rated		Not Rated		Not Rated	
Urban land	35	Not Rated		Not Rated		Not Rated	
Frederick		Not Rated		Not Rated		Not Rated	
Sindion		Not Rated		Not Rated		Not Rated	
Weikert		Not Rated		Not Rated		Not Rated	
48:							
Urban land	85	Not Rated		Not Rated		Not Rated	
Frederick		Not Rated		Not Rated		Not Rated	
Sindion		Not Rated		Not Rated		Not Rated	
Udorthents		Not Rated		Not Rated		Not Rated	
Weikert		Not Rated		Not Rated		Not Rated	
49C:							
Watahala	85	Somewhat limited Slope	0.37	Somewhat limited Slope	0.37	Very limited Slope	1.00
Marbie		Not Rated		Not Rated		Not Rated	
Timberville		Not Rated		Not Rated		Not Rated	
49D:							
Watahala	85	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
Marbie		Not Rated		Not Rated		Not Rated	
Timberville		Not Rated		Not Rated		Not Rated	
49E:							
Watahala	85	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
Marbie		Not Rated		Not Rated		Not Rated	
Timberville		Not Rated		Not Rated		Not Rated	

50D:

Table ENG-3. - Building Site Development - Continued

Washington County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
50D:							
Weikert	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to hard bedrock	1.00	Depth to hard bedrock	1.00	Depth to hard bedrock	1.00
Allegheny		Not Rated		Not Rated		Not Rated	
Elliber		Not Rated		Not Rated		Not Rated	
Ernest		Not Rated		Not Rated		Not Rated	
Groseclose		Not Rated		Not Rated		Not Rated	
Hayter		Not Rated		Not Rated		Not Rated	
Monongahela		Not Rated		Not Rated		Not Rated	
Tumbling		Not Rated		Not Rated		Not Rated	
50E:							
Weikert	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to hard bedrock	1.00	Depth to hard bedrock	1.00	Depth to hard bedrock	1.00
Allegheny		Not Rated		Not Rated		Not Rated	
Elliber		Not Rated		Not Rated		Not Rated	
Ernest		Not Rated		Not Rated		Not Rated	
Groseclose		Not Rated		Not Rated		Not Rated	
Hayter		Not Rated		Not Rated		Not Rated	
Monongahela		Not Rated		Not Rated		Not Rated	
Tumbling		Not Rated		Not Rated		Not Rated	
50F:							
Weikert	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to hard bedrock	1.00	Depth to hard bedrock	1.00	Depth to hard bedrock	1.00
Allegheny		Not Rated		Not Rated		Not Rated	
Elliber		Not Rated		Not Rated		Not Rated	
Ernest		Not Rated		Not Rated		Not Rated	
Groseclose		Not Rated		Not Rated		Not Rated	
Hayter		Not Rated		Not Rated		Not Rated	

Table ENG-3. - Building Site Development - Continued

Washington County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
50F:							
Monongahela		Not Rated		Not Rated		Not Rated	
Tumbling		Not Rated		Not Rated		Not Rated	
51C:							
Westmoreland	85	Somewhat limited Slope	0.37	Somewhat limited Slope Depth to hard bedrock	0.37 0.32	Very limited Slope	1.00
Berks		Not Rated		Not Rated		Not Rated	
Groseclose		Not Rated		Not Rated		Not Rated	
Marbie		Not Rated		Not Rated		Not Rated	
Opequon		Not Rated		Not Rated		Not Rated	
Rock outcrop		Not Rated		Not Rated		Not Rated	
Timberville		Not Rated		Not Rated		Not Rated	
51D:							
Westmoreland	85	Very limited Slope	1.00	Very limited Slope Depth to hard bedrock	1.00 0.32	Very limited Slope	1.00
Berks		Not Rated		Not Rated		Not Rated	
Groseclose		Not Rated		Not Rated		Not Rated	
Marbie		Not Rated		Not Rated		Not Rated	
Opequon		Not Rated		Not Rated		Not Rated	
Rock outcrop		Not Rated		Not Rated		Not Rated	
Timberville		Not Rated		Not Rated		Not Rated	
51E:							
Westmoreland	85	Very limited Slope	1.00	Very limited Slope Depth to hard bedrock	1.00 0.32	Very limited Slope	1.00
Berks		Not Rated		Not Rated		Not Rated	
Groseclose		Not Rated		Not Rated		Not Rated	
Marbie		Not Rated		Not Rated		Not Rated	
Opequon		Not Rated		Not Rated		Not Rated	

Table ENG-3. - Building Site Development - Continued

Washington County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
51E:							
Rock outcrop		Not Rated		Not Rated		Not Rated	
Timberville		Not Rated		Not Rated		Not Rated	
51F:							
Westmoreland	85	Very limited Slope	1.00	Very limited Slope Depth to hard bedrock	1.00 0.32	Very limited Slope	1.00
Berks		Not Rated		Not Rated		Not Rated	
Groseclose		Not Rated		Not Rated		Not Rated	
Marbie		Not Rated		Not Rated		Not Rated	
Opequon		Not Rated		Not Rated		Not Rated	
Rock outcrop		Not Rated		Not Rated		Not Rated	
Timberville		Not Rated		Not Rated		Not Rated	
52D:							
Westmoreland	45	Very limited Slope	1.00	Very limited Slope Depth to hard bedrock	1.00 0.32	Very limited Slope	1.00
Rock outcrop	30	Not Rated		Not Rated		Not Rated	
Berks		Not Rated		Not Rated		Not Rated	
Groseclose		Not Rated		Not Rated		Not Rated	
Marbie		Not Rated		Not Rated		Not Rated	
Opequon		Not Rated		Not Rated		Not Rated	
Timberville		Not Rated		Not Rated		Not Rated	
52E:							
Westmoreland	45	Very limited Slope	1.00	Very limited Slope Depth to hard bedrock	1.00 0.32	Very limited Slope	1.00
Rock outcrop	30	Not Rated		Not Rated		Not Rated	
Berks		Not Rated		Not Rated		Not Rated	
Groseclose		Not Rated		Not Rated		Not Rated	
Marbie		Not Rated		Not Rated		Not Rated	

Table ENG-3. - Building Site Development - Continued

Washington County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
52E:							
Opequon		Not Rated		Not Rated		Not Rated	
Timberville		Not Rated		Not Rated		Not Rated	
52F:							
Westmoreland	45	Very limited Slope	1.00	Very limited Slope Depth to hard bedrock	1.00 0.32	Very limited Slope	1.00
Rock outcrop	30	Not Rated		Not Rated		Not Rated	
Berks		Not Rated		Not Rated		Not Rated	
Groseclose		Not Rated		Not Rated		Not Rated	
Marbie		Not Rated		Not Rated		Not Rated	
Opequon		Not Rated		Not Rated		Not Rated	
Timberville		Not Rated		Not Rated		Not Rated	
53B:							
Wheeling	80	Very limited Flooding	1.00	Very limited Flooding	1.00	Very limited Flooding Slope	1.00 0.13
Allegheny		Not Rated		Not Rated		Not Rated	
Monongahela		Not Rated		Not Rated		Not Rated	
Speedwell		Not Rated		Not Rated		Not Rated	
Wyrick		Not Rated		Not Rated		Not Rated	
54A:							
Wolfgap	85	Very limited Flooding	1.00	Very limited Flooding	1.00	Very limited Flooding	1.00
Botetourt		Not Rated		Not Rated		Not Rated	
Ingledove		Not Rated		Not Rated		Not Rated	
55B:							
Wyrick	50	Somewhat limited Shrink-swell	0.22	Somewhat limited Shrink-swell	0.22	Somewhat limited Shrink-swell Slope	0.22 0.13

Table ENG-3. - Building Site Development - Continued

Washington County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
55B:							
Marbie	30	Very limited		Very limited		Very limited	
		Depth to thick cemented pan	1.00	Depth to thick cemented pan	1.00	Depth to thick cemented pan	1.00
		Shrink-swell	0.50	Depth to saturated zone	1.00	Shrink-swell	0.50
		Depth to saturated zone	0.39	Shrink-swell	0.50	Depth to saturated zone	0.39
Clubcaf		Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
Maurertown		Not Rated		Not Rated		Not Rated	
Mongle		Not Rated		Not Rated		Not Rated	
Opequon		Not Rated		Not Rated		Not Rated	
Sindion		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
55C:							
Wyrick	50	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.37	Slope	0.37	Slope	1.00
		Shrink-swell	0.22	Shrink-swell	0.22	Shrink-swell	0.22
Marbie	30	Very limited		Very limited		Very limited	
		Depth to thick cemented pan	1.00	Depth to thick cemented pan	1.00	Depth to thick cemented pan	1.00
		Shrink-swell	0.50	Depth to saturated zone	1.00	Slope	1.00
		Depth to saturated zone	0.39	Shrink-swell	0.50	Shrink-swell	0.50
Clubcaf		Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
Maurertown		Not Rated		Not Rated		Not Rated	
Mongle		Not Rated		Not Rated		Not Rated	
Opequon		Not Rated		Not Rated		Not Rated	
Sindion		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	

55D:

Table ENG-3. - Building Site Development - Continued

Washington County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
55D:							
Wyrick	50	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.22	Shrink-swell	0.22	Shrink-swell	0.22
Marbie	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to thick cemented pan	1.00	Depth to thick cemented pan	1.00	Depth to thick cemented pan	1.00
		Shrink-swell	0.50	Depth to saturated zone	1.00	Shrink-swell	0.50
Clubcaf		Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
Maurertown		Not Rated		Not Rated		Not Rated	
Mongle		Not Rated		Not Rated		Not Rated	
Opequon		Not Rated		Not Rated		Not Rated	
Sindion		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
W:							
Water	100	Not Rated		Not Rated		Not Rated	